H600 RFHawk

Declassification and Security Instructions

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Tektronix

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- Worldwide, visit www.tektronix.com to find contacts in your area.

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Preface

This document helps customers with data security concerns to sanitize or remove memory devices from the H600 RFHawk instrument.

This product has data storage (memory) devices and data output devices (USB ports). These instructions tell how to do the following:

- Clear or sanitize the memory devices
- Clear or sanitize an instrument that is not functioning

Products

The following Tektronix product is covered by this document:

H600 RFHawk

Terms

The following terms may be used in this document:

Clear. This removes data on media/memory before reusing it in a secured area. All reusable memory is cleared to deny access to previously stored information by standard means of access.

Erase. This is equivalent to clear.

Media storage/data export. Various devices that are used to store or export data from the instrument, such as a USB port.

Nonvolatile memory. Data is retained when the instrument is powered off.

Remove. This is a physical means to clear the data by removing the memory device from the instrument. Instructions are available in the product service manual.

Sanitize. This eradicates the data from media/memory so that the data cannot be recovered by other means or technology. This is typically used when the device will be moved (temporarily or permanently) from a secured area to a non-secured area.

Scrub. This is equivalent to sanitize.

User-modifiable. The memory device can be written to by the user during normal instrument operation, using the instrument's user interface or remote control.

Volatile memory. Data is lost when the instrument is powered off.

Clear and Sanitize Procedures

Memory Devices

The following tables list the volatile and nonvolatile memory devices in the standard instrument and listed options.

Table 1: Volatile Memory Devices

Type and minimum size	Function	User modifiable	Input method	Location	Process to clear
SDRAM (2) 16M x 16	System memory	Yes	Written by system processor	Platform processor board	Remove power from the instrument for at least 20 seconds
SRAM (3) 256K x 16	DSP program and data memory	No	Read/write by DSP processor	Module digital signal processor board	Power down the module by exiting H600 application
SRAM, 2M x 18	Acquisition memory	No	Read/write by DSP processor	Module digital signal processor board	Power down the module by exiting H600 application

Table 2: Nonvolatile Memory Devices

Type and minimum size	Function	User modifiable	Input method	Location	Process to clear
M_System DiskOnChip 32M x 8	File system	Yes	User input	Mainframe processor board	System reset (See page 2, *Perform a System Reset*.)
Flash (2) 16M x 8	Operating system and register settings	Yes	User input	Mainframe processor board	System reset (See page 2, *Perform a System Reset*.)
EEPROM 128K x 8	Ethernet	No	Factory programmed	Mainframe processor board	Store the instrument in a secure area, or destroy the instrument
EEPROM 128K x 8	Storing internal calibration data	No	Written during factory or service calibration	Module RF board	Store the instrument in a secure area, or destroy the instrument
Flash 8M x 16	FPGA configuration, DSP acquisition and measurement control	No	Factory programmed, software updates, and used by application	Module digital signal processor board	Store the instrument in a secure area, or destroy the instrument

Perform a System Reset

This procedure does not erase or change factory calibration constants. Resetting the system puts the instrument back to factory specifications.

1. Power on the instrument.
2. Tap the **Start** button.
3. Select **Programs > Tektronix Utilities > System Reset**.

NOTE. *After completing the system reset, the previously stored data is no longer accessible by standard means of access. If procedures are required to sanitize the data so that the data cannot be recovered by other means or technology, please contact your local Tektronix service representative.*

After a system reset, the user settings and data are cleared, but the instrument operating software is preserved.

Data Export Devices

The following table lists the data export devices in the standard instrument and listed options.

Table 3: Data Export Devices

Type	Function	User modifiable	Input method	Location	Process to disable
USB host port (supports removable USB flash drive)	User storage of measurement data, screen images, and instrument setups; remote control and data transfer to a PC	Yes	Software operations, remote control and data transfer	USB host port on top of instrument	The USB flash drive can be removed and destroyed. The USB host port cannot be disabled.
USB slave port	Remote control and data transfer to a PC	Yes	Software operations, remote control and data transfer	USB device port on top of instrument	The USB device port cannot be disabled.
PCMCIA	Support of PCMCIA-compliant devices including ATA flash memory cards	Yes	User writable	Right side of instrument	Remove all devices attached to the port. Remove all memory devices and format them, store them in a secure area, or destroy them. The PCMCIA device port cannot be disabled.
LAN Ethernet connector	Remote control and data transfer to a PC	Yes	Remote control and data transfer	Ethernet port on top of instrument	The Ethernet port cannot be disabled.

Troubleshooting

How to Clear or Sanitize a Non-Functional Instrument

If your instrument is not functioning and you need to clear or sanitize it, proceed as follows:

H600 There are no customer-removable internal memory devices or boards in the H600. Refer to your company's internal policies regarding handling or disposal of the module.

USB Flash Drive Remove the USB flash drive, and then refer to your company's internal policies regarding handling or disposal of the flash drive.

Charges Replacement of any missing hardware will be charged according to the rate at the time of replacement.